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Return to BurtProcess.com



Mix & match in any combination up to six:

- Flow
- pH
- ORP
- Conductivity
- Resistivity
- Temperature
- Pressure
- Level
- Turbidity
- Other - (accepts 4-20mA input)

+GF+



Discover The Power of Simplicity

Signet 8900 Multi-Channel, Multi-Parameter Controller

Member of the ProcessPro® Family of Instruments

+GF+

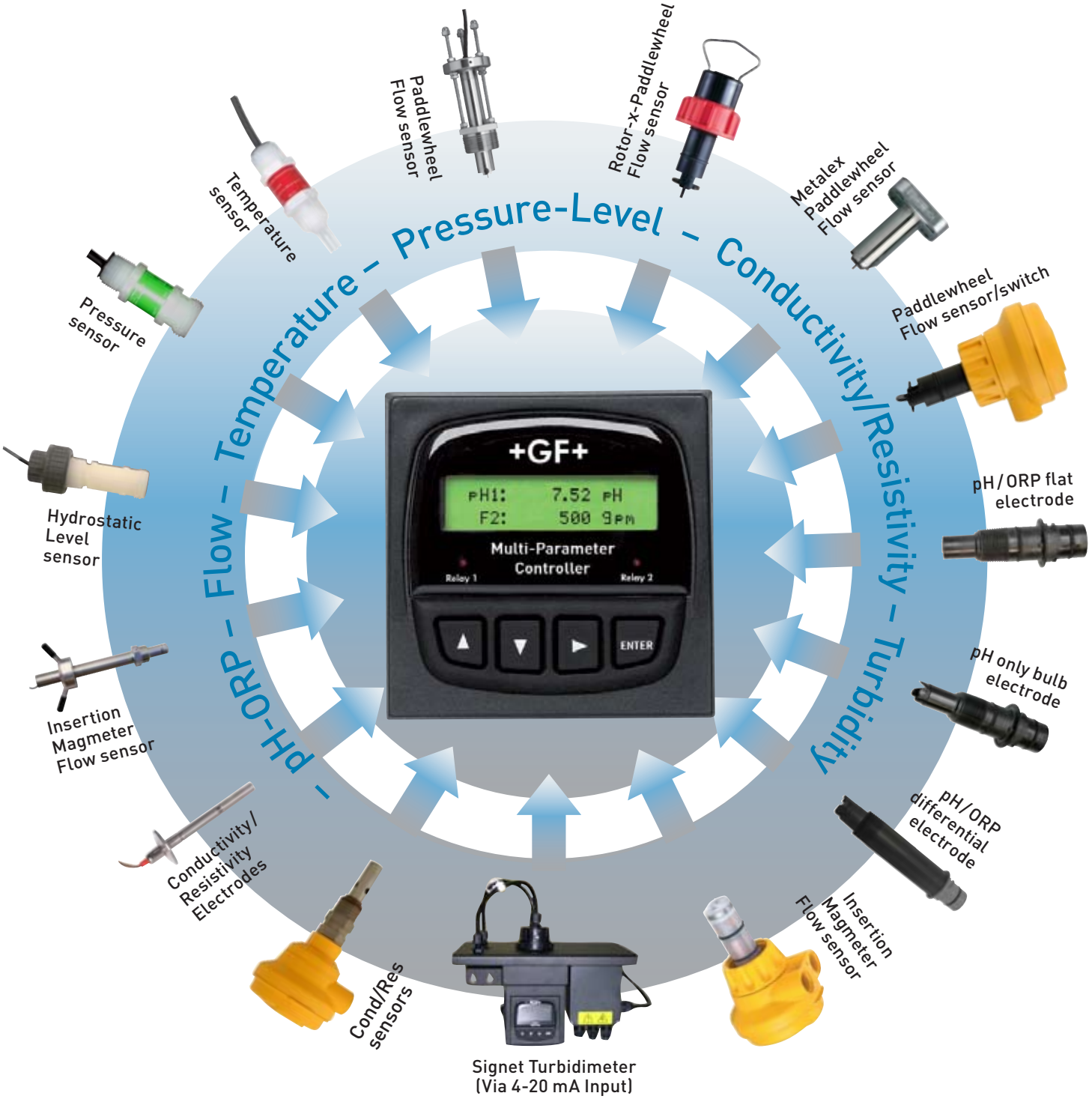
GEORG FISCHER
PIPING SYSTEMS

Signet 8900
Multi-Channel,
Multi-Parameter Controller



Absolute Input Versatility!

Mix and Match up to Six!





Sensor Compatibility

Absolute input versatility allows mixing and matching of measurement types up to six channels.

- Up to two of the possible six input channels may be used for Signet flow sensors with **frequency** output. A wide variety of sensors with **S³L** (digital) output make up the balance.
- The 8058 "Analog to S³L" Signal Converter enables any 4-20 mA signal to be used as input to the 8900.
- pH and Conductivity sensors include temperature sensors. These "secondary" measurements are treated by the 8900 as separate sensors with respect to display, output and relay functionality, but they DO NOT consume separate input channels!

Flow Sensors

Paddlewheels



515
Freq.



2536
Freq.



525
Freq.



2540
Freq.



2537
Freq. S³L

Insertion Magmeters



2551
Freq. S³L



2552
Freq. S³L

Turbine, Mini & Micro Flow



2100
Freq.



2000
Freq.



2507
Freq.

Analytical Sensors

pH & ORP



2750
S³L



3719
S³L

Cond/Res



2850
S³L

Others

Level, Pressure, Temperature, Other (i.e., Turbidity)



2250
S³L



2450
S³L



2350
S³L

8058 4-20 mA Signal Converter



8058-1



8058-2

S³L

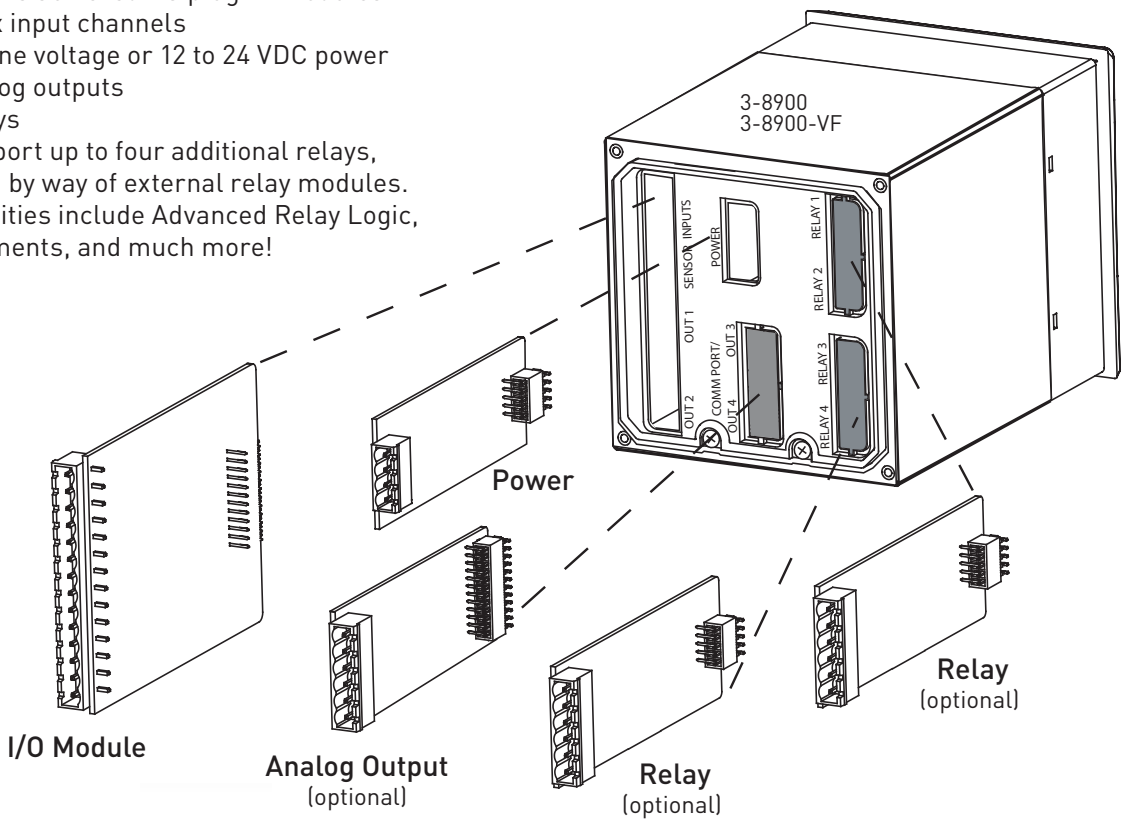
Signet 8900
Multi-Channel,
Multi-Parameter Controller



Extreme Modularity!

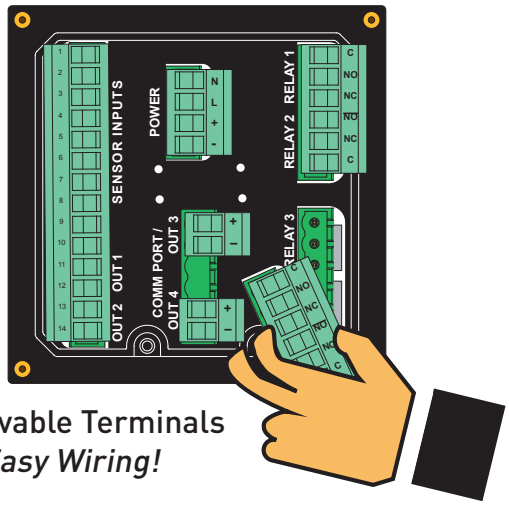
The Signet 8900 takes the concept of modularity to the extreme.

- Two base-units, one with back-lit LCD and the other with Vacuum Fluorescent display can be configured in the field.
- Ultimate flexibility is achieved via plug-in modules:
  - — Two, four or six input channels
  - — Universal AC line voltage or 12 to 24 VDC power
  - — Up to four analog outputs
  - — Up to four relays
- The 8900 will support up to four additional relays, for a total of eight, by way of external relay modules.
- Controller capabilities include Advanced Relay Logic, Derived Measurements, and much more!





External Relay Modules
(ordered separately)

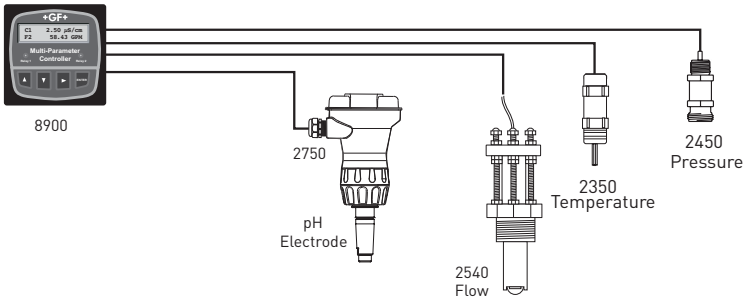


Removable Terminals
Easy Wiring!



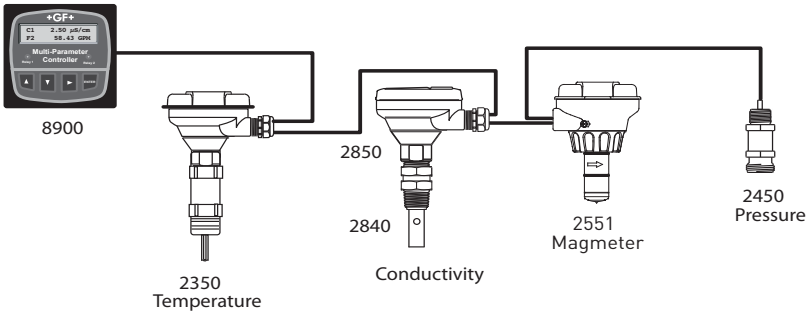
Sensor Wiring Options

In addition to traditional Point-to-Point sensor wiring, digital bus connectivity allows several sensors of similar and/or different types to share the same wiring in Daisy-Chain and/or Multi-Drop configurations! No special cable required! Use standard 3-conductor cable (terminals accept 12-24 AWG wire). Some combination of these schemes, depending upon the layout of your system, will minimize wire usage. Installation cost and time savings can be substantial.



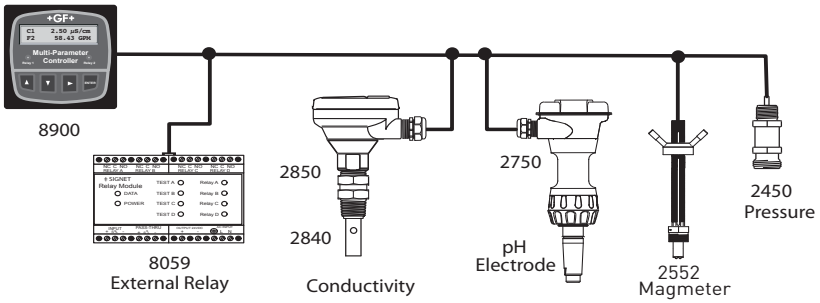
Traditional Point-to-Point

Sensors are wired independently and directly to the controller.



Daisy-Chain

Sequential connection of one sensor to another... especially useful when multiple sensors will be installed relatively close together and away from the controller.



Multi-Drop

Sensor "branches" are connected to a common run via junction boxes. This scheme is convenient when dealing with multiple vertical runs and/or lateral segments.

Signet 8900 Multi-Channel, Multi-Parameter Controller



Two Easy Ways to Order!

1. Individual components for easy stocking and spare parts (this page),

or

2. Pre-configured at the factory for simple installation and immediate use (next page).

Mfr. Part No.	Code	Description	
Base units, required; choose one			**Quantity**
3-8900	159 000 868	Base unit with back-lit LCD	
3-8900-VF	159 000 869	Base unit with Vacuum Fluorescent display	
Power modules, required; choose one			
3-8900.402-1	159 000 878	110/220 VAC Power Module	
3-8900.402-2	159 000 879	12 to 24 VDC Power Module	
I/O (input/output) modules, required; choose one*			
3-8900.401-1	159 000 870	Dual (2) Input (no outputs)	
3-8900.401-2	159 000 871	Dual (2) Input with Two Passive Loop Outputs	
3-8900.401-3	159 000 872	Dual (2) Input with Two Active Loop Outputs	
3-8900.401-4	159 000 873	Dual (2) Input with Two Voltage Outputs	
3-8900.401-5	159 000 874	Quad (4) Input (no outputs)	
3-8900.401-6	159 000 875	Quad (4) Input with Two Passive Loop Outputs	
3-8900.401-7	159 000 876	Quad (4) Input with Two Active Loop Outputs	
3-8900.401-8	159 000 877	Quad (4) Input with Two Voltage Outputs	
3-8900.401-9	159 000 968	Six Inputs (no outputs)	
3-8900.401-10	159 000 969	Six Inputs with Two Passive Loop Outputs	
3-8900.401-11	159 000 970	Six Inputs with Two Active Loop Outputs	
3-8900.401-12	159 000 971	Six Inputs with Two Voltage Outputs	
Optional output modules - choose one*			
3-8900.405-1	159 000 883	Two Passive Current Loop Outputs	
3-8900.405-2	159 000 884	Two Active Current Loop Outputs	
3-8900.405-3	159 000 885	Two 0 to 5 and/or 0 to 10 VDC Outputs	
Optional relay modules - choose one or two*			
3-8900.403-1	159 000 880	Two Dry Contact Relays	
3-8900.403-2	159 000 881	Two Solid State Relays	
Optional external relays - choose one*			
3-8059-2	159 000 770	Two dry-contact relays; requires 12 to 24 VDC	
3-8059-2AC	159 000 771	Two dry-contact relays; requires 100 to 240 VAC; supplies power to the 12 to 24 VDC power module	
3-8059-4	159 000 772	Four dry-contact relays; requires 12 to 24 VDC	
3-8059-4AC	159 000 773	Four dry-contact relays; requires 100 to 240 VAC; supplies power to the 12 to 24VDC power host device	



Let us Configure it For You!

Use the Signet 8900 Configurator to tailor controllers to your needs and receive them fully-assembled and ready to install...

and at no extra cost to you!



For Example: to order a backlit LCD with (2) inputs, AC powered, (4) Dry contact relays, and (2) active 4-20 mA outputs —

Use part number
3-8900 - L - 2 - AC - 4D - 2A

For compatible sensors, see page 3.

3-8900-

	Display	Input	Power	Relay	Output
Display					
Backlit LCD	L				
Vacuum Flourescent	V				
Inputs					
Two Inputs		2			
Four Inputs		4			
Six Inputs		6			
Power					
VAC			AC		
VDC			DC		
Relays					
None				0	
Two Dry Contact				2D	
Four Dry Contact				4D	
Two Solid State				2S	
Four Solid State				4S	
*Mix				99	
Outputs					
None					0
Two Active					2A
Four Active					4A
Two Passive					2P
Four Passive					4P
Two VDC					2V
Four VDC					4V
*Mix					99

* It is possible to "mix" relay and output types... that is, for example, to configure an 8900 Controller with Dry Contact and Solid State relays (consult with your local salesperson or GF Piping Systems for an explanation as to why that might be a good idea). Active, Passive and Voltage outputs may also be mixed. Include the desired mix in Line Item Notes on your order.

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Our sales companies and representatives
ensure local customer support in over 100 countries.



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